

Docket No. IRI05426

BEST AVAILABLE COPY**Amendments to the Claims:**

1. (previously amended) A method for internet protocol (IP) address allocation in a mobile station comprising the steps of:

transmitting a request to a mobile network, wherein the request includes an activation request for a unique IP address ~~for~~ from an external network; and

receiving the unique IP address and an address prefix of the external network, wherein duplicate address detection has been performed by the network to determine the uniqueness of the unique IP address prior to the mobile station receiving the unique IP address.

2. (previously amended) A method for IP address allocation as claimed in claim 1, wherein the step of receiving the unique IP address includes the step of receiving the unique IP address, wherein the network has solicited access to an -address server within the external network and has performed duplicate address detection.

3. (previously amended) A method for IP address allocation as claimed in claim 2, wherein the step of receiving the unique IP address further includes the step of receiving the unique IP address, wherein the network has solicited access to an address server within the external network, has received an advertisement message from the address server, and has performed duplicate address detection.

4. (previously amended) A method for IP address allocation as claimed in claim 3, wherein the step of receiving the unique IP address further includes the step of receiving the unique IP address, wherein the network has solicited access to an address server within the external network, has received an advertisement message from the address server, has requested, in response to said advertisement message, the unique IP address via an address request message, and has performed duplicate address detection.

5. (previously amended) A method for IP address allocation as claimed in claim 4, wherein the step of receiving the unique IP address further includes the step of

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receiving the unique IP address, wherein the network has solicited access to an address server within the external network, has received an advertisement message from the address server, has requested, in response to said advertisement message, the unique IP address via an address request message, has requested, in response to the address request message, assigning the unique IP address to the network for use by the mobile station, and has performed duplicate address detection.

6-8 (canceled)

9. (previously amended) In a mobile network, a method for obtaining an internet protocol (IP) address comprising the steps of:

requesting by a mobile station an activation for a unique IP address for an external network;

statefully obtaining by the mobile network the unique IP address from the external network;

performing duplicate address detection by the network to determine the uniqueness of the unique IP address; and

transmitting the unique IP address and an address prefix of the external network by the mobile network to the mobile station.

10. (original) A method for IP address allocation as claimed in claim 9, wherein the step of statefully obtaining includes the step of soliciting by the mobile network access to an address server within the external network.

11. (original) A method for IP address allocation as claimed in claim 10, wherein the step of statefully obtaining further includes the step of sending by the address server an advertisement message to the mobile network.

12. (previously amended) A method for IP address allocation as claimed in claim 11, wherein the step of statefully obtaining further includes the step of responsive to said advertisement

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message, requesting by the mobile network the unique IP address via an address request message.

13. (original) A method for IP address allocation as claimed in claim 12, wherein the step of statefully obtaining further includes the step of responsive to the address request message, assigning the unique IP address to the mobile network for use by the mobile station.

14-16 (canceled)

17. (previously amended) A network method for allocating a unique IP address comprising the steps of:

- receiving a request for a unique IP address from a mobile station;
- statefully obtaining the unique IP address from an external network;
- performing duplicate address detection to determine the uniqueness of the unique IP address; and
- after determining that the unique IP address is unique, transmitting the unique IP address and a prefix identifying the external network to the mobile station.

18. (previously amended) A method for IP address allocation as claimed in claim 17, wherein the step of statefully obtaining includes the step of soliciting access to an address server within the external network.

19. (previously amended) A method for IP address allocation as claimed in claim 17, wherein the step of statefully obtaining includes a step of requesting the unique IP address via an address request message transmitted to the external network.

20. (canceled)